INTELLIGENT C-UAS SOLUTIONS

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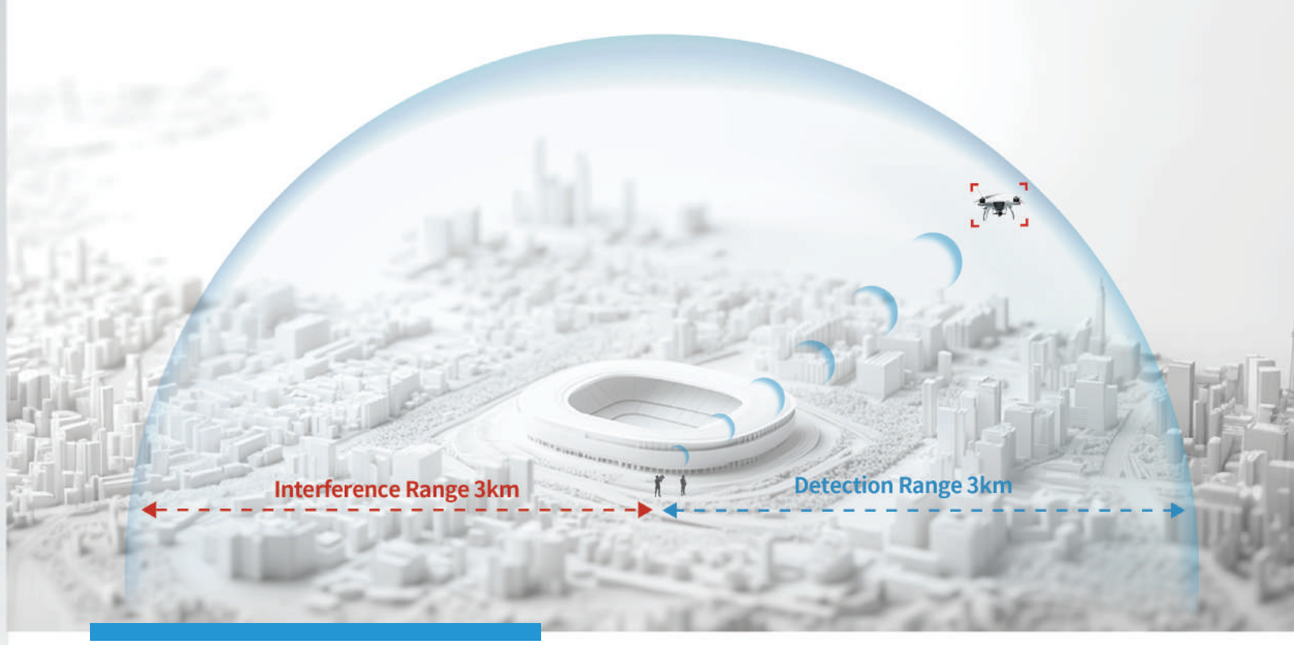
SKYFEND

Ship Expert® TECHNOLOGY

SOLUTION

Mobile Event Security



INTRODUCTION

To meet the confidentiality requirements of special events, SkyFend offers a portable solution of drone pilot positioning device, which effectively prevents "rogue" drones with effective jamming. This solution is recommended to be jointly operated by one detector and one jammer operator.

- Detection operators can use radio frequency detection devices to accurately locate drones and their pilots, thus solving the problem of "rogue" drones at its root.
- The countermeasure operator uses an integrated reconnaissance and strike countermeasure device to achieve a closed-loop process of independent detection and strike.

SPECIFICATIONS

- **Detection:** 3km protocol analysis + 2.5km spectrum detection (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Interference:** 3km (Customizable full-band coverage. The interfering models include DJI, Autel, Parrot, FIMI, etc.)

ADVANTAGES OF SOLUTIONS

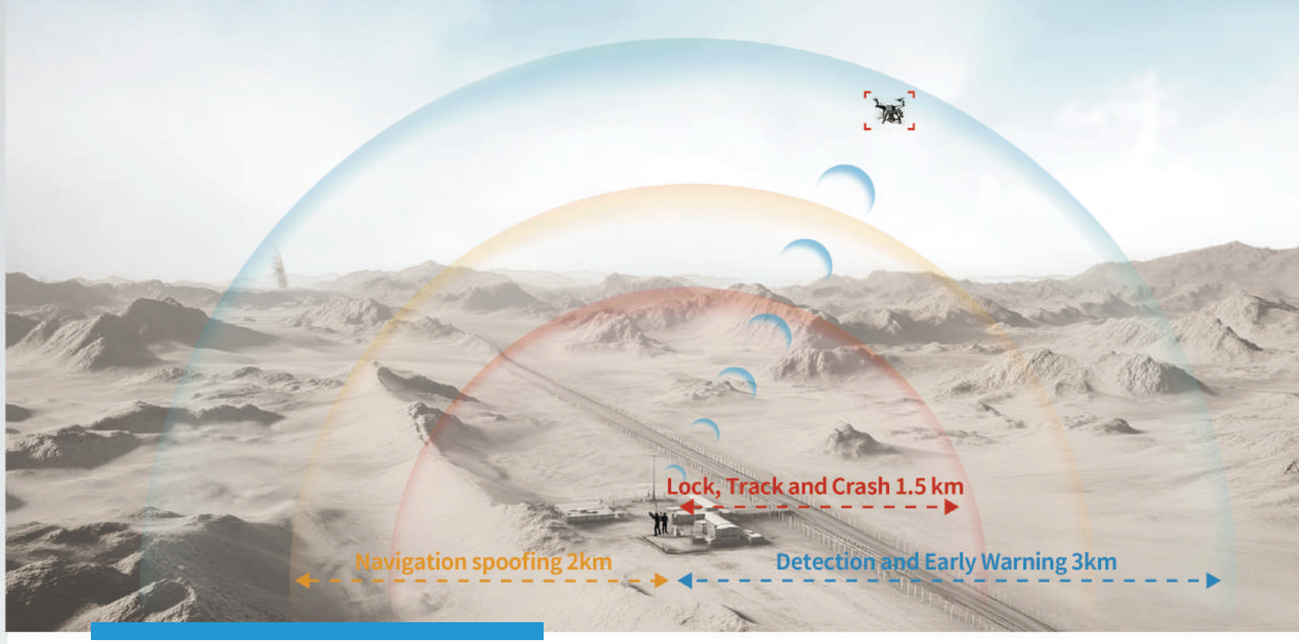
Precise Positioning of Drones and Pilots

Blacklist and Whitelist Management Accurate Early Warning

Combining intelligent interference **strategies with directional interference** to minimize the impact on other wireless **devices in the surrounding area**

SOLUTION

Mobile Border Defense



INTRODUCTION

The portable border control solution is specifically designed for C-UAS scenarios which demand high maneuverability, aiming to assist the border defense teams in efficient interference and jamming against done threats in complicated environment. In response to the challenges of threats that are difficult to detect, locate, and interfere with, this solution ensures rapid response at critical moments through the collaborative cooperation of detectors and jammer operators, providing real-time protection and the ability to effectively interfere beyond line of sight, enhancing protection range and flexibility.

- Detector: radio detection equipment is used, and detectors can provide timely early warnings against drone threats. Accurate positioning is achieved through rotating radar, which can clearly identify the direction of the target's approach, thereby providing effective guidance for jammer operators.
- Jammer operators: with the help of navigation spoofing technology, they can effectively respond to drones equipped with GNSS. In addition, combined with the integrable function of SPS100 and SSH100, and guided by radar, it can achieve precise interference to the target drone, causing it to destabilize and fall.

SPECIFICATIONS

- Radio detection: 3km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- Radar: FPV 7 inches: 800 m; DJI Mavic 3: 1100m; DJI FC30: 2500m
- Navigation spoofing: 2km (with DJI Mavic 3 as typical model)
- Radio Frequency Jamming: 1.5km (SRRC mode based on DJI Mavic 3, typical model with a signal power of about 20dBm at 2.4GHz and about 30dBm at 5.8GHz, and the distance between the drone pilot and the jamming device is 3km)

ADVANTAGES OF SOLUTIONS

Accurate positioning of intruding drones

Wearable compact design

Networking for multiple devices

Expand the Protection Range of Interference Capability beyond the Effective Line of Sight

SOLUTION

FIXED Energy Facility Protection

INTRODUCTION

Through the fusion of multiple sensors such as radar, radio detection equipment, and optical cameras, the energy facility protection solution of SkyFend can achieve real-time detection, tracking, and identification warning of low-altitude drones in the protected area, ensuring accurate detection with a low false alarm rate or even without any false alarm. With the guidance of the detection equipment, the interference equipment can offer more accurate interference and jamming against drone intrusions without affecting the operating drones at the energy station. Ultimately, it can achieve timely detection and interference against drone intrusions while ensuring the normal operation of energy facilities.

SPECIFICATIONS

- **Radio detection:** 5km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Visual and radar detection:** 7-inch FPV: 3.5km; Mini and Micro Drones (DJI Mavic 3): 5km; Small and Medium-sized Drones (DJI M300): 7km
- **Protocol analysis:** 3km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Radio frequency jamming:** 3km (SRRC mode based on DJI Mavic 3, typical model with a signal power of about 20dBm at 2.4GHz and about 30dBm at 5.8GHz, and the distance between the drone pilot and the jamming device is 6km)
- **Navigation spoofing:** 5km

ADVANTAGES OF SOLUTIONS

Precise situational awareness

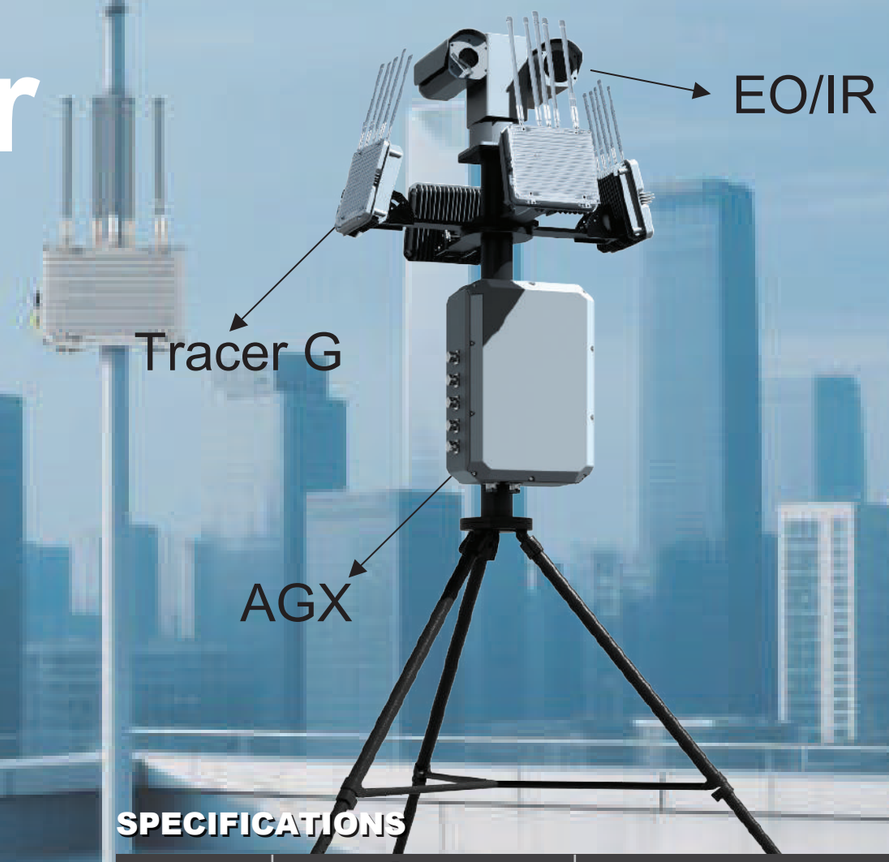
24/7 unmanned surveillance and protection

Visualized detection and precise decision-making with replay capability

Combining intelligent interference strategies with directional interference. Minimum impact on other wireless devices in the surrounding area.

FIXED SYSTEM

STP120 Fixed Tracer

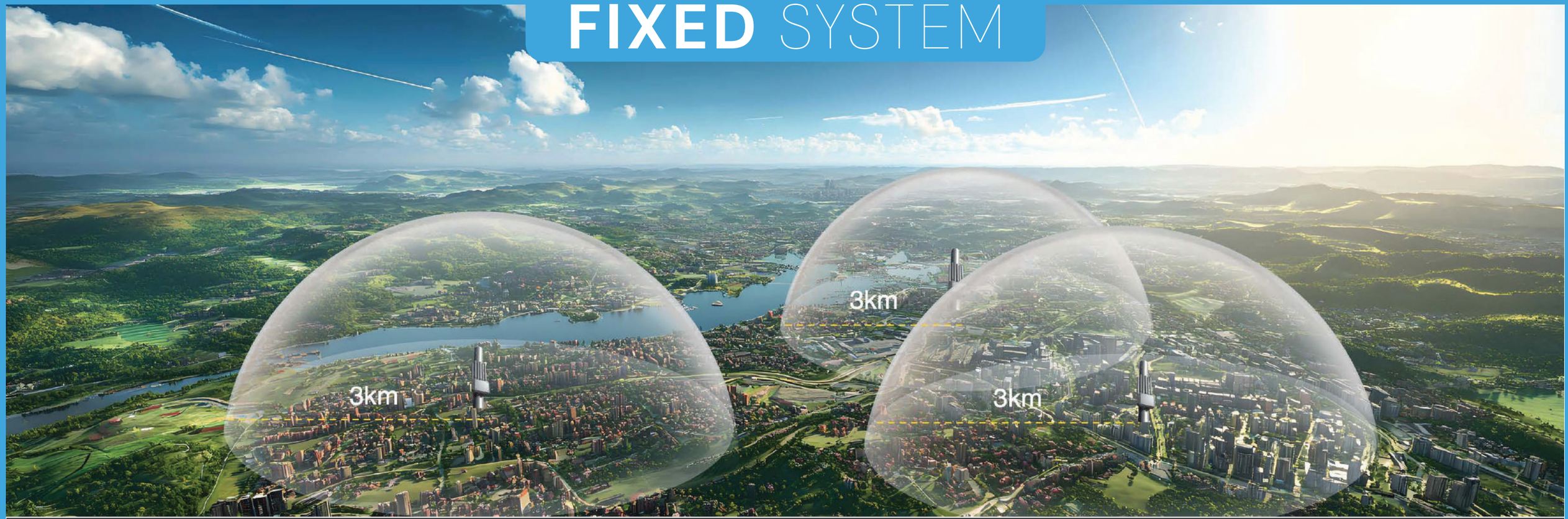


Skyfend *Tracer G*

SPECIFICATIONS

Item	Parameters	Description
Spectral Detection	Detection Frequency Bands	400-6000MHz
	Detection Distance	3km
	Detection Time	≤3s
	Simultaneously Detect Quantity	≥10
Protocol Analysis	Supports Multiple Models and Protocols	All DJI Models and RID Protocol
	Detection Distance	3km
	Detection Time	≤3s
	Localization Accuracy	10m
	Simultaneously Detect Quantity	≥50
EO/IR Specifications	DayLight Camera：Image resolution	1920*1080
	Field of view	43.5°*26.2°--0.85°*0.57°
	Lens Focal length	F6.5mm-312mm
Basic Specifications	Protection Level	IP66
	Operating Temperature	-30℃~+70℃
	Equipment Power Supply	Supports DC12V, AC 12V/24V, and AC 220V voltages.

FIXED SYSTEM



The STP120 is designed for the surveillance of low-altitude drones within urban environments. The device features two monitoring methods: protocol analysis and radio frequency spectrum detection. Protocol analysis enables real-time monitoring of mainstream commercial drones, such as those from DJI, by decoding drone broadcast protocols to obtain detailed information, including drone brand, model, serial number, flight speed, coordinates, altitude, and the operator's coordinates. For non-cooperative drones without broadcast protocols, the device employs spectrum detection technology for real-time monitoring and alerting.

Full Frequency Band Coverage

Coverage from 400 to 6000 MHz, with the capability for periodic updates to the device model database, ensuring the equipment remains adaptable to evolving drone trends.

Multi-Protocol Analysis Support

Capable of detecting all DJI models and drones equipped with RID broadcast signals, with ongoing updates to the drone database via software upgrades.

Identification Friend or Foe(IFF) Capability

Capable of performing Identification Friend or Foe (IFF) differentiation for drones within the airspace.

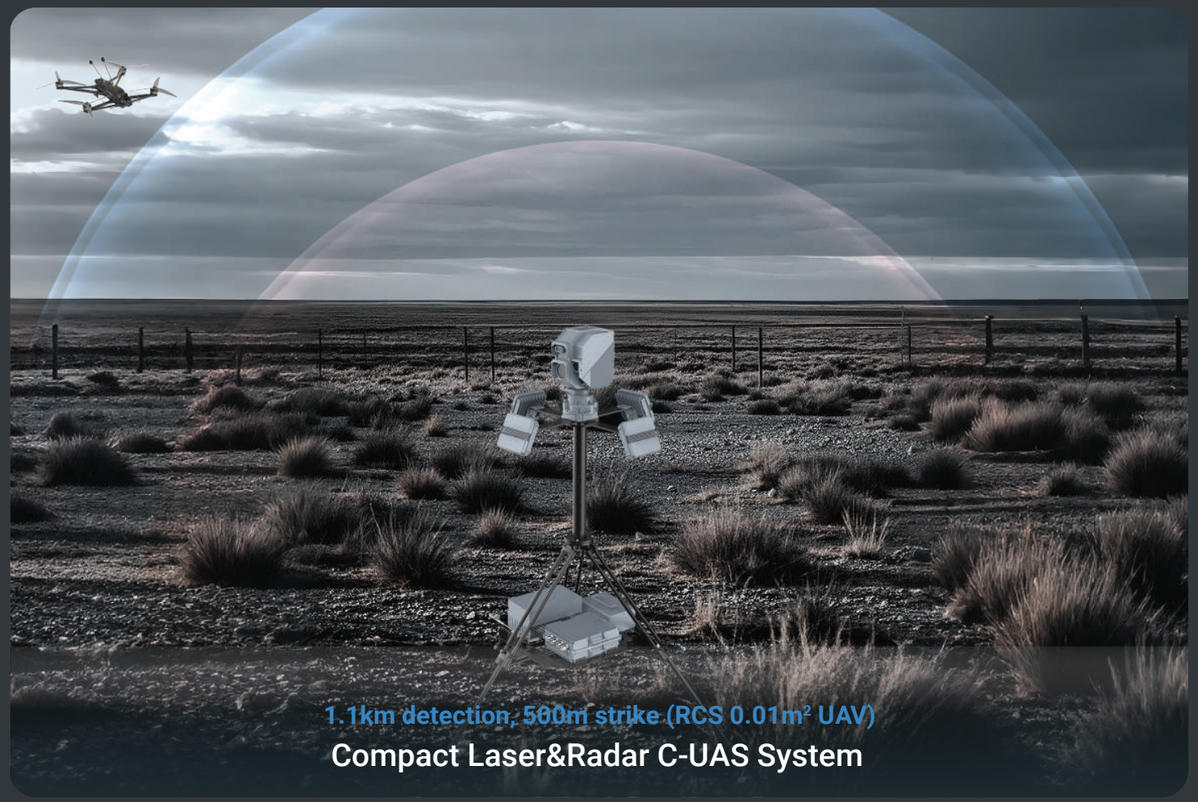
Wide Area Coverage through Multi-Unit Networking

Through networked devices, real-time monitoring of drone activities within the coverage area can be viewed on the SkyShield system.

FIXED SYSTEM

5km detection, 1km strike (RCS0.01m² UAV)

Medium-Range Distributed Laser&Radar C-UAS System



1.1km detection, 500m strike (RCS 0.01m² UAV)

Compact Laser&Radar C-UAS System

SKYFEND

RADAR-GUIDED LASER COUNTER-UAS SOLUTION

Radar-Guided Laser Defense System is an integrated counter-UAV solution that combines radar detection with precision laser engagement capabilities. It is specifically designed to neutralize low-altitude, small drone threats.The system utilizes high-precision radar to perform real-time target detection, tracking, and threat evaluation, guiding the laser unit for target acquisition, locking, and directional engagement. Supporting both manual and automatic operation modes, it features one-touch engagement and emergency stop functions for rapid response and intuitive control.Ideal for border security, critical infrastructure protection, and sensitive site defense, the system delivers a 24/7 omnidirectional low-altitude defense shield.

KEY FEATURES

Integrated UAV Interception Chain

Integrates radar detection, target identification, and laser engagement into a unified system, effectively countering suicide drones, fiber-optic-controlled UAVs, and low-slow-small (LSS) threats within a closed-loop defense architecture.

High-Speed Response, Precision Engagement

Real-time radar tracking enables rapid laser target acquisition and sustained tracking, with one-click engagement ensuring fast, precise, and reliable interception.

Stealth Operation, Flexible Deployment

Equipped with RF stealth and silent engagement capabilities, the system generates minimal collateral interference. It is adaptable to complex environments, supporting tactical concealment and rapid field deployment.

FIXED SYSTEM

*Skyfend*Hunter F

SFL100

Hunter F is a fixed drone countermeasure device integrating reconnaissance and attack, which can detect and receive drone communication signals and identify drone models. By monitoring the broadcast information of drones, the Hunter F can obtain the real-time key information, including latitude and longitude, altitude, speed, yaw angle, model, SN, and pilot position, and develop the precise radio attack strategies for different drone models.

Users can quickly view the device detection information, configure parameters and historical detection data through the C2 system. The device also supports blacklist and whitelist functions, providing users with flexible security management solutions.

Through careful design, Hunter F can run stably in various outdoor environments for a long time to ensure the continuous and reliable protection capabilities.

Features

- Full-band detection and interference
- Real-time feedback of interference effect
- Blacklist and whitelist management
- 24/7 unmanned surveillance and protection

Spectrum detection

Frequency band	0.4~6 GHz
Detection radius	5km (based on DJI Mavic 3 drone consistent with SRRC standard, 2.4GHz signal power of 20dBm, 5.8GHz signal power of 30dBm, under sighting conditions, without strong signal interference)
Display information	Spectrum, communication protocol (type), current working frequency band and other information.

Protocol analysis

Content	Drone ID & Remote ID
Detection radius	3km
Display information	SN, coordinates, altitude, yaw angle, speed, remote controller coordinates (or return point) and other information.

Radio interference

Frequency band	0.4~6GHz (software-defined frequency band)
Countermeasure radius	3km
IP rating	IP67
Operating temperature	-40~60°C

Hardware

Main Device Dimensions	508 × 261.5 × 450.5mm (L×W×H)
Main Device Weight	10.2kg
Pan-Tilt Platform Dimensions	265 × 180 × 315mm (L×W×H)
Pan-Tilt Platform Weight	12.5kg
Tripod's minimum working height / corresponding support radius	730mm/640mm
Tripod's maximum working height / corresponding support radius	1546mm/720mm
Tripod Weight	6.55kg

*Skyfend*Spoofer Pro

SSH110

The Spoofer Pro is a fixed drone navigation spoofing device with powerful monitoring capabilities, ultra-high reliability and stability, longer effective range, and higher protection level, suitable for long-term deployment in fixed locations. This device achieves active defense, directional inducement, and area denial by emitting civilian satellite navigation simulation signals, effectively solving the flight control issues of commercial low-speed small drones in sensitive areas. Integrated with radar, spectrum detection, and counter-drone guns, it can achieve powerful functions such as directional spoofing and drone crashing, truly realizing the "1+1>2" combat effectiveness.

Features

- Full-band coverage
- Ultra-high protection level
- Ultra-long coverage distance
- Long-term efficient monitoring
- Easy to set up
- Easy to Use

Supported frequency	Supported GNSS (BDS/GPS/GLONASS/Galileo) Full-system drone spoofing
Signal power	≤20W (Gear adjustable)
Effective range	5km (software adjustable)
Signal acquisition time	5~10s

IP rating	IP67
Power supply	220V-AC power supply
Operating temperature	-20~55°C

Dimensions	Dimension (without tripod and antenna): 374*300*264.5mm Dimension (with antenna): 374*300*317mm Dimension (with tripod and antenna): 374*300*317+1546mm
Weight	Total weight (without tripod): 10kg Total weight (with tripod): 17kg
Antenna radius	77mm
Power consumption	130W
Startup time	Device online in 40s, ephemeris collection completed in 3-5 minutes

FIXED SYSTEM

*Skyfend*Tracker Eye

SRP100

Tracker Eye is a core area visual and radar detection system that integrates phased array radar and electro-optical detection technology, ensuring all-weather and comprehensive highly reliable situational awareness without relying on drone radio signals. It can provide highly accurate location information, precise target category information, and threat confirmation videos. In addition, the SWaP-C optimization and modular design allows for rapid deployment of protection in key areas such as prisons and mansions.

Features

- 360° Unmanned Surveillance and Protection
- High-Precision Positioning Detection
- Strong Anti-interference Ability, Adaptable to Complicated Environment
- Intelligent Recognition & Electro-Optical Quick Locking
- Highly Cost-effective

Radar Parameters

Detection Range	7-inch FPV: 800m; Mini and Micro Drones: 1100m (DJI Mavic 3); Small and Medium-sized Drones: 2500m (DJI FC30)
Recognizable Targets	Drones, Birds, Personnel, Vehicles
Field of View (FOV)	Azimuth: 0~360° / Pitch: 0~90°
Max Target Detection Speed	60m/s
Detection Range Accuracy	2m
Detection Angle Accuracy	0.5mrad
Target Locking Time	<4s
AI Target Recognition Accuracy	98% (drone)
Vision System	Visible Light & Infrared Thermal Imaging
Weight	30kg
Dimensions	920*920*440mm
Installation Method	Installation of Mast/Tripod
Operation Power	<1000W
Operation Voltage	AC 220V
Operating temperature	-40~60°C
IP rating	IP66

EO/IR Systems

Visible Light Lens Resolution	1920 × 1080 (FHD)
Focal Length of Visible Light Lens	6.5-312mm
Zoom Ratio of Visible Light Lens	48X
Infrared Lens Resolution	640×512
Infrared Lens Focal Length	75mm

*Note: Some identification functions require visual aids.

*Skyfend*Tracker Pro Eye

SRP210

Tracker Pro Eye is a wide-range active radar and electro-optical detection system that integrates Tracker Pro phased array radar and long-focus photoelectric detection technology. It can ensure all-weather and all-round highly accurate real-time sensing of drones in large-area protection scenarios where radio detection is ineffective, and can provide highly accurate position information, target classification, and threat confirmation videos.

Features

- 360° All-weather Large-scale Active Detection
- High-Precision Positioning Detection
- Intelligent Recognition & Electro-Optical Fast Locking
- Payload Thread Identification

Radar Parameters

Detection Range	7-inch FPV: 3.5km; Mini and Micro Drones: 5km (DJI Mavic 3); Small and Medium-sized Drones: 7km (DJI M300)
Recognizable Targets	Drones, Birds, Personnel, Vehicles
Field of View (FOV)	Azimuth: 0~360° / Pitch: 0~90°
Max Target Detection Speed	100m/s
Detection Range Accuracy	2m
Detection Angle Accuracy	0.5mrad
Target Locking Time	<4s
AI Target Recognition Accuracy	98% (drone)
Vision System	Visible Light & Infrared Thermal Imaging
Weight	150kg
Dimensions	650*9650*900mm
Installation Method	Mast Installation
Operation Power	<1500W
Operation Voltage	AC 220V
Operating temperature	-35~55°C
IP rating	IP66

EO/IR Systems

Visible Light Lens Resolution	1920 × 1080 (FHD)
Focal Length of Visible Light Lens	12.3~800mm
Zoom Ratio of Visible Light Lens	65X
Infrared Lens Resolution	640×512
Infrared Lens Focal Length	30~150mm
Infrared Lens Zoom Ratio	5x

*Note: Some identification functions require visual aids.

FIXED SYSTEM

*Skyfend*Hunter G

SVH100

A stationary counter-drone jammer designed to safeguard critical areas against UAV threats by disrupting control and video transmission signals across multiple frequency bands.

Features

- **Wide frequency coverage :**
  Seven major bands (approx. 800 MHz – 6 GHz), targeting drone control and video links.
- **High-power RF output :**
  Effectively disrupts UAV flight control and navigation.
- **C² Tablet control :**
  Real-time device status display, frequency band configuration, and jamming activation/deactivation.
- **Directional low-frequency jamming :**
  60° sector coverage to minimize unnecessary interference.
- **Modular expansion :**
  Supports additional power and frequency band modules.
- **Rugged design :**
  Shock-absorbing mounting bracket ensures stable operation for fixed or vehicle-mounted deployments.

Frequency Coverage	7 bands (approx. 800 MHz-6 GHz)
Jamming Modes	Directional low-frequency sector (60° per antenna) and full-band high-frequency jamming
Typical Effective Jamming Range (est.)	-Enhanced (main + 1 expansion module) : 500 m - 1.2 km (open/partial LOS). -Max configuration (main + up to 4 expansion modules, clear line-of-sight) : up to ~3km (open field, optimal antenna aiming)
Power Consumption	~2100W (main unit only); up to ~3300W with 4 expansion modules
Rated Voltage	28 V
Mounting	Shock-adsorbing rooftop bracket with threaded holes
Integration	Compatible with Tracer V and other detection system
Design	Rugged, modular, suitable for fixed-site or vehicle-mounted deployment
Control Interface	C Tablet (Ethernet) - device status, frequency selection, directional sector control, start/stop jamming, visual "strike" map.

*Skyfend*Nexus

SGA200

The Skyshield Nexus Intelligent Command and Control Platform serves as the central hub for full-domain airspace protection, integrating detection and early warning, intelligent decision making, and coordinated interception into one, and building a closed-loop capability across the entire process of reconnaissance, determination, decision-making, action, and review. Through a multi-source perception network, it achieves precise target positioning and trajectory prediction, and supports dynamic electronic fences and threat-leveled response. The platform supports multi-layered and multi-modal air-ground integrated defense capabilities such as electronic jamming, deception, laser, and drones, and can be flexibly deployed in key scenarios such as airports, prisons, and energy facilities, with the capabilities of unattended operation and 7*24-hour all-weather defense. Relying on an AI-driven data fusion engine, it enables networking of thousands of devices and second-level response, significantly reducing the false negative rate and the risk of misjudgment, while also supporting historical event backtracking and compliance evidence collection, providing an integrated intelligent solution for airspace management.

Features

- Multi-source Fusion Situational Awareness
- Electronic Fence & Threat Analysis
- Intelligent Decision-making, Unattended
- Air-ground joint defense, integrated command
- Event Review and Evidence Collection Analysis
- Data Cockpit
- Airspace Management

MOBILE SYSTEM

SkyfendSpoofer

SSH100

Spoofer is a portable drone navigation and deception device engineered explicitly against SUAVs, with the advantages of lightweight, easy to carry, and rapid deployment. This device achieves active defense, directional inducement, and area denial by emitting civilian satellite navigation simulation signals, effectively solving the flight control issues of commercial low-speed small drones in sensitive areas. Its backpack-style is easily portable and suitable for deployment in complicated environments, providing users with a convenient and efficient experience.

Features

- Easy to Use
- Flexible and Portable
- Multiple Frequency Points
- High Efficiency and Low Error

Supported frequency	Supported GNSS (BDS / GPS / GLONASS / Galileo) Full-system drone spoofing
Signal power	≤4W (gear adjustable)
Effective range	2km (software adjustable)
Signal acquisition time	5~10s

IP rating	IP65
Power supply	Battery-powered & 220V AC powered
Operation time	4.5h (standby) 3h (operation)
Operating temperature	-20~55°C

Dimensions	540*406*204mm Dimension 840*406*204mm (Antenna raised)
Weight	11kg
Antenna radius	50mm
Power consumption	60W
Startup time	Device online in 40s, ephemeris collection completed in 3-5 minutes

SkyfendHunter Pro

SHH110

The portable anti-FPV solution provides timely alerts by detecting FPV video and control links. It uses an FPV simulation receiver to acquire enemy FPV footage in real-time, maintaining situational awareness. By detecting enemy flight control links, it guides jammer to accurately strike target frequencies, achieving optimal effects.

The capture of FPV video completes the detection and countermeasure loop.

Features

- Integrated Detection and Jamming,
- Frequency Band Adaptive
- Drone data base upgradable, Sustainable Upgrades
- Touch Screen Operation, Data Visible
- Can detect FPV flight control links

Detection frequency	0.4~6GHz / Key detection frequency bands: 800MHz, 900MHz, 1.2GHz, 2.4GHz, and 5.8GHz
Detectable brands	Image transmission: Rush, PandaRC, TBS, Iflight and AKK, etc. / Remote control: ELRS and TBS Crossfire
FPV video transmission & reception frequency bands	1.2GHz (1.06~1.36GHz) and 5.8GHz (4.9~5.9GHz)
FPV video transmission receiving type	Simulation image transmission

FPV video transmission receiving distance	≥ 1km (taking the 2.5W video transmission as a typical module)
Jamming frequency	0.4~6GHz / Key jamming frequency range: 300~1100MHz
Power of each jamming frequency band	0.4~2GHz：20w / 2~4GHz：20w/ 4~6GHz：40w / 300~1100MHz：100w
Jamming effect	Precision interception strategy : TBS Crossfire (2w) 1 : 1 ; ELRS (1w) 1 : 3 Broadband interception strategy: TBS Crossfire (2w) 1 : 2 ; ELRS (1w) 1 : 5

MOBILE SYSTEM

*Skyfend*Hunter Lite

SPS100/SPS110

Hunter Lite is a portable jammer against SUAVs. With the key functions for drone flight control and navigation frequency band jamming, it can repel drones or force them to crash to solve the threat of rogue SUAVs.

Features

- Covering mainstream drone models, efficient jamming
- Integrable with Spoofer
- Flexible and Portable, ready for deployment anytime

Jamming

Total jamming output	100W
Coverage angle	Horizontal ±15°, and vertical ±10°
Jamming frequency band	868MHz / 915MHz / 1.2GHz / 1.4GHz / 1.6GHz / 2.4GHz / 4.950GHz / 5.2GHz / 5.35GHz / 5.6GHz / 5.8GHz

Operating temperature	-20~55°C
IP rating	IP65
Storage temperature	-20~60°C

Dimension	795*100*304mm
Bare weight	4kg
Jamming duration	30min

*Skyfend*Hunter

SHH100

Hunter is a versatile handheld drone jammer that can effectively detect, identify, locate, and mitigate drone threats. Hunter delivers exceptional effectiveness against the majority of types and models of drones. It can simultaneously disrupt the flight control and navigation signals of multiple drones.

With its compact design and user-friendly interface, Hunter is the ultimate counter-drone solution for various scenarios, including event security, VIP protection and energy facility security.

Features

- Integrated Detection and Jamming, 3 km Jamming, 2.5 km Detection
- Frequency Band Adaptive
- Drone data base upgradable, Sustainable Upgrades
- Touch Screen Operation, Data Visible

Detection frequency band	0.4~6GHz / Key detection frequency bands: 800MHz, 900MHz, 1.2GHz, 2.4GHz, and 5.8GHz
Detectable brands	Image transmission: Rush, PandaRC, TBS, Iflight and AKK, etc. / Remote control: ELRS and TBS Crossfire
Detection Range	2.5km (based on DJI Mavic 3 drone consistent with SRRC standard, with 20dBm signal power at 2.4GHz and 30dBm signal power at 5.8GHz, without strong signal interference under sighting conditions)
Jamming frequency band	0.4~6GHz
Jamming power at each frequency band	0.4~2GHz: 20w / 2~4GHz: 20w / 4~6GHz: 40w
Jamming-to-control ratio	Commercial drone: DJI Mavic 3 (0.5w) 1:1

Dimensions (L*W*D)	778*337*113mm
Weight	6.5kg (with battery)
Power supply mode	Battery / adapter
Operation time	Detection: 8h / jamming: 1h
Operating temperature	-20~55°C
Storage temperature	-20~60°C

MOBILE SYSTEM

SkyfendTracer Air

STA100/SOA100

The drone pilot localization solution addresses the challenge of detecting drone pilots in environments without broadcast protocols (DroneID and RemoteID). The pilot localization solution involves mounting high-precision radio direction-finding equipment on the drone, which performs both horizontal and vertical direction-finding of the target signal sources, including the drone remote controller and radio interference equipment. It pinpoints potential locations of the target and displays them on a map.

Through visual search of the target area combined with AI-assisted recognition, it can detect and lock onto the target. In addition, the carrier has the ability to resist radio interference, ensuring that the solution can be used stably in complex radio environments.

Features

- Wide detection range
- High-precision detection and positioning
- Long-distance detection
- Detection of drone operators and interference sources

Wireless detection module

Dimensions	112*122*55mm
Weight	707.5g
Typical detection targets	Default 2.4GHz, 5.2GHz, 5.8GHz drone remote control signals and radio interference signals (5.1-5.8GHz signals can be configured via software)
Typical model	DJI: Mavic series, Air series, Mini series; Autel EVO Lite series, Max series, and EVOI series
Detection Range	Pilot localization: 3km (based on DJI Mavic 3 drone that complies with SRRC standards, signal power around 20dBm at 2.4GHz, 30dBm at 5.8GHz, in unobstructed line-of-sight conditions, without strong signal interference)
Interference source localization	4km (based on omnidirectional interference equipment, amplifier output power 20W, in unobstructed line-of-sight environment, without strong signal interference)
Directional detection angle accuracy	≤3° (RMS)
Qty. of drones that can be detected simultaneously	≥2
Operating temperature	-20~50°C
IP rating	IP65
Total power consumption	≤20W
Power supply mode	Carrier platform USB Type C power supply

Flight platform

Dimensions	1205*980*278mm (unfolded with propellers) / 455*263*248mm (folded without propellers)
Weight	6.63kg (with battery, gimbal, radio detection module, propellers)
Max. load	1.8kg
Max. flight speed	20m/s
Max. flight time	32min
Image transmission distance	>6km

MOBILE SYSTEM

SkyfendTracer P

STP100

Tracer P is a product specially designed for monitoring and managing aerial drone activities, and can provide real-time detection and early warning for mainstream brands such as DJI (including the latest O4 image transmission drone). By decoding the broadcast signal of the drone, it can obtain the detailed information such as the brand, model, SN, location, altitude, flight speed, and operator location of the drone, so as to help customers effectively monitor airspace security and protect the security and privacy of key places and event sites.

Features

- Support mainstream drone models and continuously update the model library
- Excellent detection performance
- Multi-mode and multi-scenario adaptation
- Multi-unit networking to achieve wide area coverage
- High practicality and usability

Detection model	All DJI models and drones with RID broadcast signals
Detection Range	3 km (omnidirectional)
Detectable frequency band	2.4GHz / 5.2GHz / 5.8GHz
Parsing refresh rate	<3s
Qty. of drones that can be decoded simultaneously	>30
Positioning accuracy	<10m
Operation time	4h
Operating temperature	-20~55°C
IP rating	IP65

Dimensions	222*85*45mm (without antenna)
Weight	<1kg (with battery)

SkyfendTracer S

STS100

Tracer S adopts advanced spectrum detection technology to provide users with real situational awareness and simple operation, and eliminate distractions. This device achieves the real-time detection by scanning the radio frequency spectrum and analyzing the data transmission protocol of drones, with no signal emission requirement. It covers mainstream commercial drones, such as DJI, Autel and self-made FPV drones and large multi-rotor drones. By using its automatic detection function, Tracer S can effectively identify threats and promptly notify users through audible, visual, and vibration alarms to ensure the safety of users.

Features

- Full band coverage
- Exceptional detection performance
- Real-time acquisition of FPV video
- Support 0.6-6GHz full-band radio signal monitoring

Spectrum detection

Detection model:	
Commercial model	DJI, Autel, FIMI, Parrot, etc.
FPV image transmission brand	TBS, RushFPV, PandaRC, Matekeey, RXC, SpeedyBee, iFlight, etc.
FPV flight control brand	TBS, ELRS, Foxeer, etc.
Detection Range	3km (based on DJI Mavic 3 drone consistent with SRRC standard, 2.4GHz signal power of 20dBm, 5.8GHz signal power of 30dBm, under sighting conditions, without strong signal interference)
Detectable frequency band	0.6~6GHz (main detection frequency bands: 800~900MHz, 1.2GHz, 2.4GHz, 5.2GHz, 5.8GHz)
Qty. of drones that can be detected simultaneously	≥10
Detection time	<3s

Directional detection antenna

Frequency band	2.4GHz / 5.2GHz / 5.8GHz
Directional accuracy	≤15°

Video interception model

RushFPV, Matekeey, RXC, TBS, SpeedyBee, PandaRC, iFlight and other analog image transmission models

Operating environment

IP rating	IP65
Operating temperature	-20~55°C

Battery parameters

Standard voltage	11.07V
Nominal capacity	103.95Wh
Battery weight	488g
Dimensions	38*82 *102mm
Working hours	5h (battery replacement within 10s supported)
Operating temperature	-20~60°C
Dimension	421*125*75mm (including antenna)
Total weight	1.55kg (including battery)

MOBILE SYSTEM

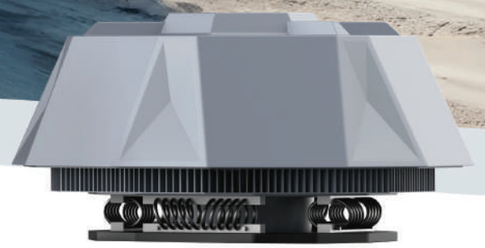
*Skyfend*Tracer V

STP121

The Tracer V is a stationary drone detector that effectively receives, analyzes, and processes radio signals from a wide range of drone models. By analyzing the data transmission signals of drones, Tracer V can quickly alert the presence of a drone and accurately identify its type. Through the analysis of wireless signal protocol layer information, Tracer V can rapidly determine the exact locations of both the drone and its operator without causing any interference to wireless communication devices within the protected area. The device supports both whitelist and blacklist functionalities. Designed for long-term outdoor vehicle-mounted usage, Tracer V ensures reliable operation over extended periods.

Frequency	0.4 GHz-6 GHz (Software-defined frequency)
Detection Radius	3 km (Typical) Note : Based on DJI Mavic 3 compliant with SRRC standards, with line-of-sight conditions and no signal interference
Information	Spectrum, communication protocol (type), current working frequency band, direction, and other information
Content	Drone ID & Remote ID
Detection Range	3 km (Typical)
Information	SN (Serial Number), coordinates, altitude, yaw angle, speed, and remote control coordinates (or return-to-home point) information
Parsing Refresh Rate	≤3 s
Number of Drones Parsed Simultaneously	>30

Dimensions	740mm x 572mm x 212mm (820mm x 580mm x 270mm with base)
Total Weight	60 kg
Power Supply	220V AC
Tranmission Method	Ethernet
Operating temperature	-30°C~70°C
Storage temperature	-40°C~70°C
Protection	≤ IP66



*Skyfend*Hunter V

SVH100

The onboard FPV countermeasure device interrupts the reception of remote control signals of drone by the generation of high-power interference signals, forming a protective shield against FPV threats. This device uses software-defined radio technology to adapt to different wireless communication protocols and frequency bands through flexible software configuration. Compared with traditional analog countermeasures, it significantly improves interference effectiveness and sustainable countermeasure capability.

Features

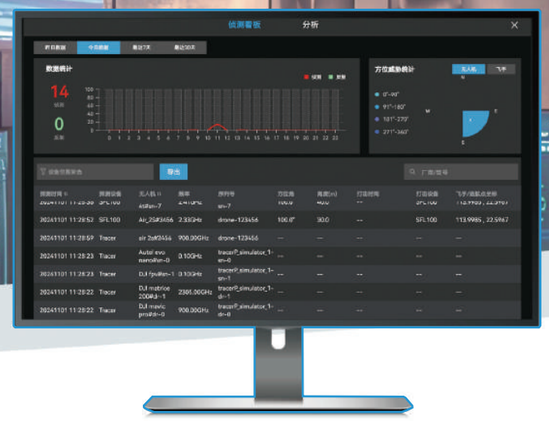
- Efficient countermeasures, excellent protection
- No blind angle coverage
- Diversified scenario deployment
- Flexible software configuration and strong hardware scalability

Effective protection radius	300m
Jamming-to-control ratio	TBS Crossfire (2W) 1:1; ELRS (1W) 1:3
Effective protection height	＞500m
Coverage angle	Horizontal 360°; Vertical 90°
Jamming frequency band	600-1100MHz, 2400-2500MHz, 5150-5250MHz, 5725-5850MHz
Output power	Single-channel output power 100W; Overall output power 800W
Working mode	Omnidirectional mode; Flexible mode (the interference direction can be configured independently in real time)
Scalability	Customizable frequency band, with max. output power of 100 W/frequency band

Continuous working time	>4h
IP rating	IP67
Operating temperature	-40~70°C
Storage temperature	-40~70°C
Dimensions (L×W×H)	760*578*480mm
Power consumption	2500W
Main equipment weight	36kg

MOBILE SYSTEM

SkyShield Cloud



SkyShield PC

SkyShield Tablet

SkyShield PC supports mainstream computer operating systems, making it widely compatible with various computing environments. The system efficiently integrates with SKYFEND's counter-drone products via intranet or wired connections, ensuring information security while providing real-time situational awareness and in-depth data analysis capabilities. SkyShield PC supports 24/7 unattended operation, able to connect with SkyShield Tablet, and allows information sharing across multiple clients, making it an optimal solution for centralized control in small core areas.

As an advanced command and control (C2) system tablet, SkyShield Tablet has excellent data processing, monitoring, analysis and reporting functions, operates stably under various natural environmental conditions, and offers all-weather, all-terrain drone defense capability.

Dimension	L*W*H	326.5 * 228.5 * 44.5mm	**Weight**	About 2kg

Features

- Situational awareness
- Intelligent integration
- Blacklist and whitelist management
- Team Collaboration
- Local area prevention and control
- 24/7 unmanned surveillance

Features

- Situational awareness
- Intelligent integration
- Blacklist and whitelist management
- Offline map
- Lightweight and portable
- Easy to operate

SkyShield Cloud

SkyShield Cloud is an intelligent cloud-based command and control system with unlimited compatibility, and may be integrated with all series of counter-drone products of SkyFend. It achieves device collaboration through data fusion technology, thus effectively implementing layered prevention and control. Users can control devices remotely, allowing for wide-area command and deployment. In addition, SkyShield Cloud supports flexible deployment, compatible with both private clouds (internal deployment) and public cloud platforms (such as Azure and AWS), meeting various levels of information security requirements.

With the help of cutting-edge technologies such as 3D simulation, sensor fusion and computer vision, SkyShield Cloud provides highly realistic visual situational awareness, real-time data analysis and dynamic threat assessment, supports all-weather automatic operation, reduces human errors, and ensures continuous airspace safety. With technological integration and automation features, it is regarded as a powerful tool for wide-area safety assurance.

Features

- 24/7 Unmanned surveillance and protection
- Data fusion, and information synergy
- Situational awareness, and threat assessment
- Intelligent decision-making, and fast response
- Easy to deploy, and multi-point defense
- Incident review, and forensic analysis